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PATENT APPLICATION DOCKET NO.: 1021.2005-001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Yi Hua Ma, Ivan P. Mardilovich and Erik E. Engwall

Application No.:

10/804,846

Group Art Unit:

1724

Filed:

March 19, 2004

Examiner:

Not assigned

Confirmation No.:

7497

Title:

COMPOSITE GAS SEPARATION MODULES HAVING INTERMEDIATE

POROUS METAL LAYERS

CERTIFICATE OF MAILING OR TRANSMISSION

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INFORMATION DISCLOSURE STATEMENT

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(Filed after payment of issue fee)

Sir:	
This I	nformation Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
[X]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
[]	under 37 CFR 1.97(c) together with either: [] a Statement under 37 CFR 1.97(e), as checked below, or
	[] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
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Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

[X]

Statement Under 37 CFR 1.97(e) Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or No item of information contained in this Information Disclosure Statement was cited in a [] communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. Statement Under 37 CFR 1.704(d) (Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000 Each item of information contained in the Information Disclosure Statement was cited in a [] communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement. Enclosed herewith is form PTO-1449: [X] Copies of the cited references (AL-AQ, AR-AZ and AR2) are enclosed. [X] Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided. [X] Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.] The listed references (AE, AG2, AD3, AD4, AE4, AO and AP) were cited in the enclosed International Search Report in a counterpart foreign application. [X]The "concise explanation" requirement (non-English references) for references AL, AM, AO, AP and AQ under 37 CFR 1.98(a)(3) is satisfied by: [X] the explanation provided on the attached sheet. the explanation provided in the Specification. submission of the enclosed International Search Report for references AO and AP. [X] submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action. the enclosed English language abstract for references AL, AM and AQ.

[X]	Applic	cant requests that the following non-published pending applications be considered:
Examiner's Initials		
		U.S. Patent Application No. 10/804,847 by Yi Hua Ma, Ivan P. Mardilovich and Erik E. Engwall, filed March 19, 2004, Docket No.: 1021.2006-001
		U.S. Patent Application No. 10/804,848 by Yi Hua Ma, Ivan P. Mardilovich and Erik E. Engwall, filed March 19, 2004, Docket No.: 1021.2004-001
		U.S. Patent Application No. 10/836,088 by Yi Hua Ma, Ivan P. Mardilovich and Erik E. Engwall, filed April 30, 2004, Docket No.: 1021.2007-001
		Examiner Date
	[X]	A copy of each above-cited application, including the current claims, is enclosed.
	[]	A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.
The Ex	xaminei nces we	r is requested to return a copy of the above list of pending applications indicating which re considered with the next office communication.
It is re	quested	that the information disclosed herein be made of record in this application.
Metho	d of pay	yment:
[]	A checaccom	ck for the fee noted above is enclosed, or the fee has been included in the check with the panying Reply. A copy of this Statement is enclosed.
[]	Please	charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is ed.
[X]	Please	charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.
		Respectfully submitted,
		HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
		Colin C. Durham Registration No.: 52,843 Telephone: (978) 341-0036 Facsimile: (978) 341-0136

Concord, MA 01742-9133 Dated: 11/2104

11/2/04

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 1021.2005-001		APPLICATION NO. 10/804,846		
IN AN APPLICATION November 2, 2004			FILING DATE March 19, 2		
November 2, 2004 (Use several sheets if necessary)	EXAMINER N/A	CONFI 7497	RMATION NO.	GROUP 1724	

***	TE WELL		S. PATENT DOCUMENTS		
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	
	AA	2,958,391	11-01-1960	deRosset	
	AB	3,241,298	03-22-1966	Pierce	
	AC	3,413,777	12-03-1968	Langley, et al.	
	AD	3,428,476	02-18-1969	Langley, et al.	
	AE	4,496,373	01-29-1985	Behr, et al.	
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	AC3	5,904,754	05-18-1999	Juda, et al.	
	AD3	6,152,987	11-28-2000	Ma, et al.	

EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 1021.2005-001	APPLICATION NO. 10/804,846		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR YI Hua Ma	FILING DATE March 19,	FILING DATE March 19, 2004	
November 2, 2004 (Use several sheets if necessary)	EXAMINER N/A	CONFIRMATION NO. 7497	GROUP 1724	

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EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT			
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EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR Yi Hua Ma		FILING DATE March 19, 2004	
November 2, 2004 (Use several sheets if necessary)	EXAMINER N/A	CONFI 7497	RMATION NO.	GROUP 1724

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AL	JP 5085702 (Abstract)	04-06-1993	Mitsubishi Heavy Ind Ltd		X
АМ	WO 02/066144	08-29-2002	Compagnie D'Etude Des Techniques De L'Hydrogene (CETH)		х
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION	THOU THE BUTTON		FILING DATE March 19, 2004	
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AX	Ozaki, T., et al., "Preparation of Palladium-coated V and V-15 Ni Membranes for Hydrogen Purification by Electroless Plating Technique," <i>Int. J. Hydrogen Energy</i> , 28:297 (2003).	
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AZ	Roa, F., et al., "The Influence of Alloy Composition on The H ₂ Flux of Composite Pd-Cu Membranes," Desalination, 147:411-416 (2002).	
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